IN THE CLAIMS

Please amend the claims as follows:

Claim 1 (Currently Amended): A channel structuring method of ~~composing a downlink channel by modulating a transmission signal by an orthogonal frequency division multiplexing method with n subcarriers, and multiplexing by a time division multiplex, wherein~~ configuring channels wherein transmission signals are modulated by orthogonal frequency division multiplexing comprising n sub-carriers and multiplexed by time division multiplexing to configure downlink channels, said method comprising:

a step of selecting from the n sub-carriers, a predetermined number of sub-carriers for insertion of common control channel signals and common pilot signals; and

~~the channel structuring method comprises~~ a step of inserting a common control channel signal and a common pilot signal into ~~said n~~ the selected sub-carriers.

Claim 2 (Original): A channel structuring method as claimed in claim 1, comprising:

a step of providing time frames by segmenting a communication channel of said n subcarriers at every predetermined interval, and

a step of selecting a predetermined number of subcarriers from said n subcarriers, and periodically inserting the common control channel signal and the common pilot signal into every time frame of said selected subcariers.

Claim 3 (Original): A channel structuring method as claimed in claim 2 wherein, in regard to the common control channel signal and the common pilot signal periodically inserted into every time frame of said selected subcarriers, either the common control channel

signal or the common pilot signal, or both thereof, is/are inserted at the same timing as either the common control channel signal or the common pilot signal, or both thereof of other subcarriers.

Claim 4 (Original): A channel structuring method as claimed in claim 1, comprising:

a step of providing time frames by segmenting a communication channel of said n subcarriers at every predetermined interval,

a step of selecting a predetermined number of subcarriers from said n subcarriers, and inserting the common control channel signal continuously into the time frame of said selected subcarriers, and

a step of selecting a predetermined number of subcarriers from said n subcarriers, and inserting the common pilot signal periodically into every time frame of said selected subcarriers.

Claim 5 (Original): A channel structuring method as claimed in claim 1, comprising:

a step of providing time frames by segmenting a communication channel of said n subcarriers at every predetermined interval,

a step of selecting a predetermined number of subcarriers from said n subcarriers, and inserting the common pilot signal continuously into the time frame of said selected subcarrier, and

a step of selecting a predetermined number of subcarriers from said n subcarriers, and inserting the common control channel signal periodically into every time frame of said selected subcarriers.

Claim 6 (Currently Amended): A channel structuring method as claimed in claim 4, wherein the selected subcarriers into which said common control channel signal is inserted are either completely or partially the same as the subcarriers into which the common pilot signal is inserted periodically into every time frame of said selected subcarriers.

Claim 7 (Original): A channel structuring method as claimed in claim 1, comprising:

a step of providing time frames by segmenting a communication channel of said n subcarriers at every predetermined interval,

a step of selecting a predetermined number of subcarriers from said n subcarriers, and inserting the common control channel signal continuously into the time frame of said selected subcarriers, and

a step of selecting a predetermined number of subcarriers from said n subcarriers, and inserting the common pilot signal continuously into the time frame of said selected subcarriers.

Claim 8 (Currently Amended): A base station ~~which structures a downlink channel by modulating a transmission signal by an orthogonal frequency division multiplexing method with n subcarriers, and multiplexing by a time division multiplex~~ in which transmission signals are modulated by orthogonal frequency division multiplexing comprising n sub-carriers and multiplexed by time division multiplexing to configure downlink channels, comprising:

a common channel signal insertion ~~means for~~ unit selecting, from the n sub-carriers, a predetermined number of sub-carriers for insertion of common control channel signals and

inserting a common control channel signals into ~~all or part of said n~~ the selected sub-carriers, and

a pilot signal insertion ~~means for~~ unit selecting, from the n sub-carriers, a predetermined number of sub-carriers for insertion of common pilot signals and inserting a common pilot signals into ~~all or part of said n~~ the selected sub-carriers.

Claim 9 (Original): A base station as claimed in claim 8, wherein

time frames are provided by segmenting a communication channel of said n subcarriers at every predetermined interval, and

said common control channel signal insertion means selects a predetermined number of subcarriers from said n subcarriers, and inserts the common control channel signal periodically into every time frame of said selected subcarriers.

Claim 10 (Previously Presented): A base station as claimed in claim 8, wherein

Time frames are provided by segmenting a communication channel of said n subcarriers at every predetermined interval, and

said common pilot signal insertion means selects a predetermined number of subcarriers from said n subcarriers, and inserts the common pilot signal periodically into every time frame of said selected subcarriers.

Claim 11 (Original): A base station as claimed in claim 9, wherein

said common pilot signal insertion means selects a predetermined number of subcarriers from said n subcarriers and inserting the common pilot periodically into every time frame of said selected subcarriers, and

said common control channel signal insertion means and said common pilot signal insertion means insert the common control channel signal and the common pilot signal, respectively, into said selected subcarriers such that a timing of the insertion of either the common control channel signal or the common pilot signal, or both, are same as the timing of either the common control channel signal or the common pilot signal, or both, of other subcarriers.

Claim 12 (Original): A base station as claimed in claim 8, wherein

time frames are provided by segmenting a communication channel of said n subcarriers at every predetermined interval,

said common control channel signal insertion means selects a predetermined number of subcarriers from said n subcarriers, and inserts the common control channel signal continuously into every time frame of said selected subcarriers, and

said common pilot signal insertion means selects a predetermined number of subcarriers from said n subcarriers, and inserts the common pilot signal periodically into every time frame of said selected subcarriers.

Claim 13 (Original): A base station as claimed in claim 8, wherein

time frames segmented in the communication channel of said n subcarriers at every predetermined interval are set up,

said common pilot signal insertion means selects a predetermined number of subcarriers from said n subcarriers, and inserts the common pilot signal continuously into every time frame of said selected subcarriers, and

said common control channel signal insertion means selects a predetermined number of subcarriers from said n subcarriers, and inserts the common control channel signal periodically into every time frame of sale selected subcarriers.

Claim 14 (Previously Presented): A base station as claimed in claim 12, wherein

the subcarriers into which said common control channel signal is inserted by said common control channel signal insertion means are completely or partially the same as the subcarriers into which the common pilot signal is inserted by said common pilot signal insertion means.

Claim 15 (Original): A base station as claimed in claim 8, wherein

time frames are provided by segmenting a communication channel of said n subcartriers at every predetermined interval, and

said common control channel signal insertion means selects a predetermined number of subcarriers from said n subcarriers, and inserts the common control channel signal continuously into every time frame of said selected subcarriers, and

said common pilot signal insertion means selects a predetermined number of subcarriers from said n subcarriers, and inserts the common pilot signal continuously into every time frame of said selected subcarriers.

Claim [[15]] 16 (Currently Amended): A channel structuring method as claimed in claim 5, wherein the selected subcarriers into which said common control channel signal is inserted are either completely or partially the same as the subcarriers into which the common pilot signal is inserted periodically into every time frame of said selected subcarriers.

Claim [[16]] 17 (Currently Amended): A base station as claimed in claim 9, wherein

time frames are provided by segmenting a communication channel of said n subcarriers at every predetermined interval, and

said common pilot signal insertion means selects a predetermined number of subcarriers from said n subcarriers, and inserts the common pilot signal periodically into every time frame of said selected subcarriers.

Claim [[17]] 18 (Currently Amended); A base station as claimed in claim 13, wherein

the subcarriers into which said common control channel signal is inserted by said common control channel signal insertion means are completely or partially the same as the subcarriers into which the common pilot signal is inserted by said common pilot signal insertion means.